

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2003P08624WO	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/051093	International filing date (day/month/year) 11/06/2004	(Earliest) Priority Date (day/month/year) 13/06/2003
Applicant  SIEMENS AKTIENGESELLSCHAFT		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

**4. With regard to the title,**

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

POWER CONTROL FOR A MOBILE RADIO COMMUNICATION SYSTEM

**5. With regard to the abstract,**

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regards to the drawings,**

- a. the figure of the **drawings** to be published with the abstract is Figure No. 3

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2004/051093

## Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

- A communications system is described, the communications system comprising
- a plurality of common channels (P-CCPCH, CCH) including a primary common control physical channel (P-CCPCH),
  - a plurality of dedicated channels (DCH)
  - a synchronisation channel (SCH),
  - the primary common control physical channel (P-CCPCH) and the synchronisation channel (SCH) being transmitted time multiplexed, and
  - the sum transmit power of dedicated channels (DCH) being reduced during the transmission of the synchronisation channel (SCH) in order to keep the total output power at the base station power amplifier below a maximum power limit.

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04B7/005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC, PAJ, IBM-TDB, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>3GPP: "Physical channels and mapping of transport channels onto physical channels (FDD)"</p> <p>3GPP TS 25.211 VERSION 4.3.0 RELEASE 4, December 2001 (2001-12), XP002260121</p> <p>page 25 - page 26</p> <p>page 29</p> <p>page 38</p> <p>figures 15,18</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">-/--</p>	1-14

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

18 August 2004

Date of mailing of the international search report

31/08/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WO 01/39540 A (ERICSSON TELEFON AB L M)  31 May 2001 (2001-05-31)  page 2, line 29 - line 33  page 7, line 22 - line 26  page 8, line 13 - line 16  page 8, line 27 - page 9, line 2  page 9, line 14 - line 17  page 9, line 25 - page 10, line 10  page 10, line 32 - line 34  page 13, line 3 - line 6  page 13, line 23 - line 26  figures 2A,2B,2C,2D</p>	1-14
A	<p>EP 0 887 947 A (NIPPON ELECTRIC CO)  30 December 1998 (1998-12-30)  page 3, line 28 - page 4, line 55  figures 2,3,5-7</p>	1-14
A	<p>US 6 064 659 A (AHMED MANSOOR ET AL)  16 May 2000 (2000-05-16)  column 1, line 1 - column 3, line 20  figures 2-5</p>	1-14
P,X	<p>SIEMENS: "Test case parameter for  multi-path fading intra-frequency cell  identification"  3GPP TSG-RAN WORKING GROUP 4 MEETING 28,  'Online! 18 August 2003 (2003-08-18),  XP002292907  SOPHIA ANTIPOLIS, FRANCE  Retrieved from the Internet:  URL:http://www.3gpp.org/ftp/tsg_ran/WG4_Ra  dio/TSGR4_28/Docs/R4-030826.zip&gt;  'retrieved on 2004-08-18!</p> <p>* section 4: SCCH-level versus P-CCPCH  level*  * 8. Appendix *  figures 6,7</p>	1-14
P,A	<p>WO 03/079576 A (QUALCOMM INC)  25 September 2003 (2003-09-25)  paragraph '1091!</p>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051093

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			WO 03079577 A2	25-09-2003
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			WO 03079601 A1	25-09-2003
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			US 2003174676 A1	18-09-2003